

## Tech Tip 190020

### VIGIL ANPR Utility 11.60.0000 –Integrations with VIGIL Client and VIGIL Server

<b>Tech Tip #:</b>	190020-2
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<b>Product Affected:</b>	VIGIL ANPR Utility 11.60, VIGIL Client 11.60, VIGIL Server 11.60
<b>Purpose:</b>	This document is intended to provide directions on configuration of features between VIGIL ANPR 11.60 and the VIGIL VMS suite.

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#### 1 Introduction

In VIGIL 11, the VIGIL ANPR Utility gained new features to complement existing integration with the VIGIL VMS Suite. In VIGIL 11.50, VIGIL Server was converted to a background service, and the process for accessing configuration options for these ANPR-integrative features has changed. This tech tip has been revised to reflect those changes.

These features include integration with VIGIL POS (VPOS) allows for real-time OSD (On-Screen Display) of plate data in VIGIL Client, while the ANPR's ability to utilize the VIGIL suite's *Relay/DIO/Alarm* feature set adds yet another layer of depth, functionality and customization to your VIGIL surveillance network.

For instructions on utilizing these new features, proceed through the remaining sections of this tech tip.

#### 2 VIGIL ANPR Utility and the VIGIL VMS - Integrated Features

##### 2.1 Utilizing VIGIL Alarms / Relays

If desired, the VIGIL ANPR Utility can be configured to trigger an alarm in VIGIL Server. This alarm could trigger recording on a defined number of camera and/or can be configured to trigger another relay which could potentially result in any number of desired outputs.



**Example:** An ANPR Camera and three standard IP cameras overlook a section of road/parking lot. When the ANPR Camera records a plate, the VIGIL ANPR utility can be configured to trigger an alarm in Server which in turn could be configured to trigger recording on the other 3 cameras. VIGIL could also be configured to have this external alarm trigger a DIO which can result in any number of outputs (open a parking garage gate, raise a security barrier, etc...).

### 2.1.1 Configuring AUX Device Settings in VIGIL Server

The first step in configuring Relays for use with the VIGIL ANPR utility is to configure VIGIL Server's AUX Device settings so that it may communicate with VIGIL ANPR (which acts as a standalone utility.)

To open VIGIL Server's AUX Device Settings:

1. Open *Advanced Settings* by right-clicking the VIGIL Server Icon in the Windows quick tray. Logging in to the VIGIL Server may be required.
2. Select the **Server Settings** tab.
3. Select **AUX Device Settings**.
4. Select **Add**.



Figure 2-1: Configuring VIGIL Relays for use with ANPR Utility- Configuring AUX Settings in VIGIL Server

5. In the Add/Edit DIO Device window, select *External Alarm* in the Type drop-down menu.
6. The DI Number field will set the amount of digital relay inputs in VIGIL Server that will be reserved for VIGIL ANPR Utility.

### 2.1.2 Configuring Relay Settings in VIGIL ANPR Utility

1. Click **Settings**.
2. Select the **Camera Settings** tab.

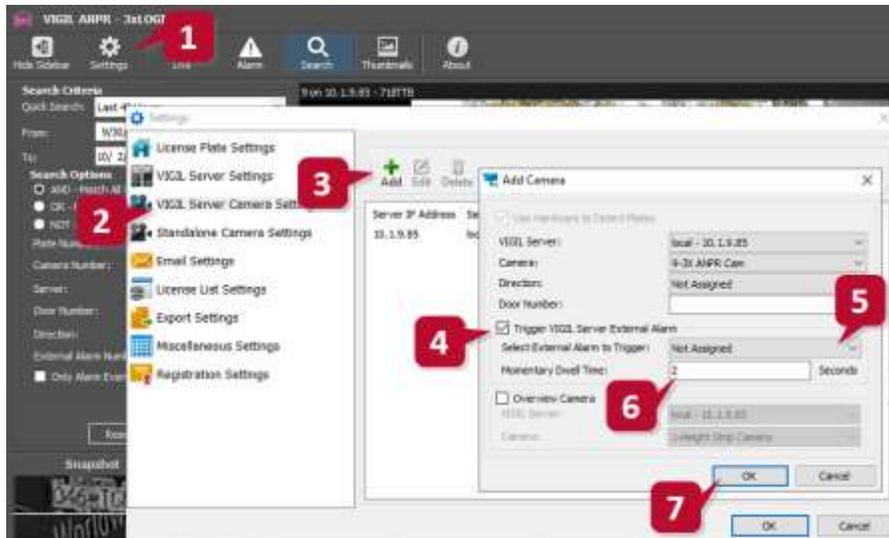


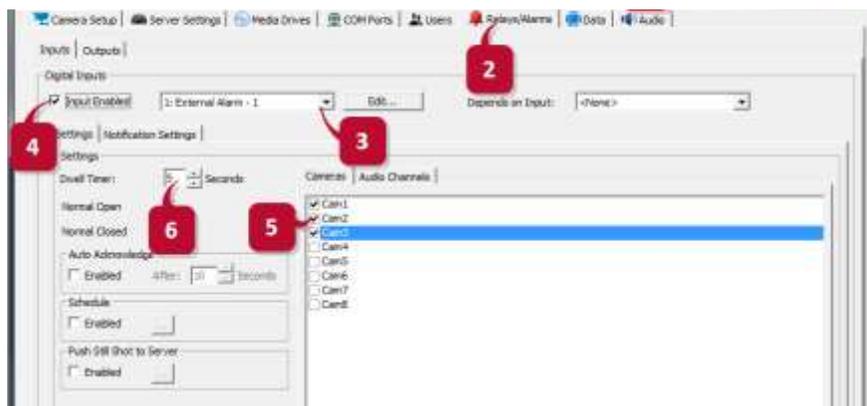
Figure 2-2: Configuring VIGIL Relays for use with ANPR Utility- Configuring Relay Settings in VIGIL Server

3. Select **Add** (or *Edit* if the desired ANPR Camera has already been added to the utility.)
4. Enable the **Trigger VIGIL Server External Alarm** option.
5. Select an alarm to trigger on the associated VIGIL Server.
6. Set a **Momentary Dwell Time** (the amount of time the alarm will remain in a triggered state.)
7. Click **OK** to save the new settings.

### 2.1.3 Configuring Relay Settings in VIGIL Server

After configuring the AUX Settings in VIGIL Server, the Relays/Alarms Settings must also be configured. This step will essentially assign the relay to a defined set of cameras which will begin recording whenever the relay is triggered. To configure the Relays / Alarms Settings for use with the VIGIL ANPR Utility:

1. Open the VIGIL Server *Advanced Settings* via right-clicking the VIGIL Server service icon in the Windows Quick tray and selecting *Advanced Settings*. You may be required to login to the VIGIL Server. The settings form will deploy as pictured below.



**Figure 2-3:** Configuring VIGIL Relays for use with ANPR Utility - Configuring Relay Settings in VIGIL Server

2. Select the **Relays/Alarms** tab.
3. Select the **Input Number** you wish to assign to the cameras. Be sure to use one of the input numbers you configured previously in the VIGIL Server *AUX Settings* (See Section 2.1.1 *Configuring AUX Device Settings in VIGIL Server* for more info.)
4. Check off the **Input Enabled** checkbox.
5. Under the *Cameras* tab, check off any cameras you wish to be associated with this *Relay/Input*.
6. Set a **Dwell Timer** value (in seconds).



**Note:** The Dwell Timer value plus the Momentary Dwell Time value configured in the "[Configuring Relay Settings in VIGIL ANPR Utility](#)" section will give you the total duration (in seconds) for which the selected cameras will record when the relay is triggered/input is received.

7. Click **OK** or **Apply** to save the newly configured settings.

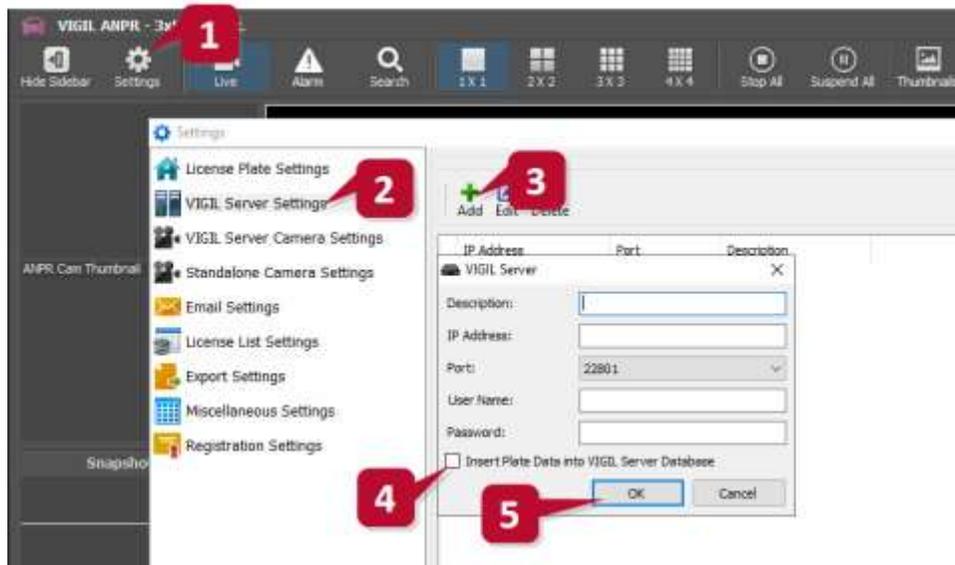
## 2.2 Configuring VIGIL Server POS OSD to Display ANPR Data

If desired, VIGIL Client can be configured to display plate data from the VIGIL ANPR Utility using the VIGIL Server service's POS On-Screen Display functionality. Follow the steps in the preceding sub-sections to configure VIGIL to display ANPR data via OSD.

### 2.2.1 Enabling Data Insertion Into the VIGIL Server Database

In order to enable OSD (on-screen display) of ANPR number plate data, the VIGIL ANPR Utility must be configured to insert data it records directly into the VIGIL Server database.

To enable data insertion:



**Figure 2-4:** Configuring VIGIL POS OSD to Display ANPR Data - Enabling Data Insertion into VIGIL Database

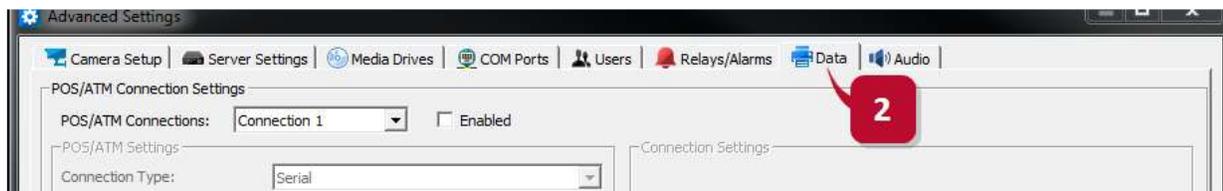
1. From the VIGIL ANPR Utility interface, click the **Settings** button.
2. Select **VIGIL Server Settings** tab from the side menu.
3. **Add/Edit** a Server
4. On the VIGIL Server Settings form for the chosen Server, enable the **Insert Plate Data Into VIGIL Server Database** option.
5. Click **OK** to save the new settings.

### 2.2.2 Configuring OSD Settings in VIGIL Server

After configuring the VIGIL ANPR Utility to insert data into the VIGIL Server database, VIGIL Server itself must be configured to receive the data and make it available for display.

To configure the VIGIL Server Settings for on-screen display of the ANPR plate data:

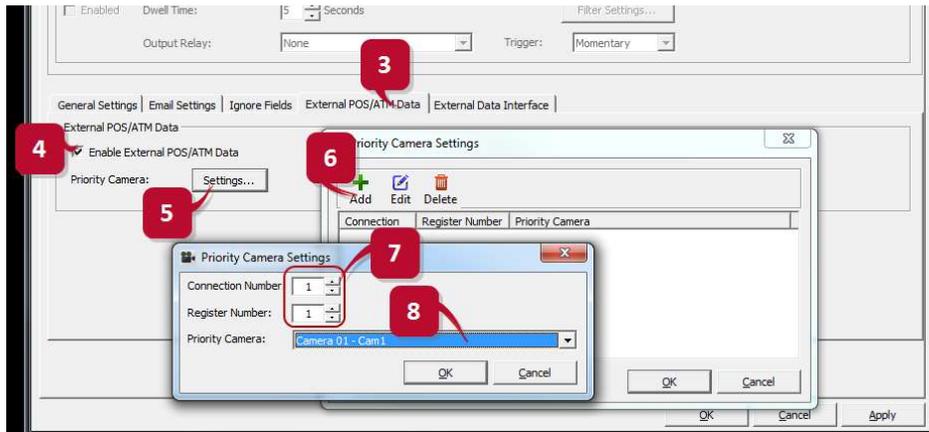
1. Open the VIGIL Server *Advanced Settings* via right-clicking the VIGIL Server service icon in the Windows Quick tray and selecting **Advanced Settings**. You may be required to login to the VIGIL Server. The settings form will deploy as pictured below.



**Figure 2-5:** Configuring VIGIL OSD to Display ANPR Data – Opening the VIGIL Server Advanced Settings Data Tab

2. Click the **Data** tab.
3. Click the **External POS/ATM Data** tab.
4. Check off the **Enable External POS/ATM Data** option.
5. Click the **Priority Camera Settings** button.
6. Click **Add**.

7. In the *Connection Number* and *Register Number* fields, enter the VIGIL Server camera number of the ANPR camera/camera being used to record plate data.
8. Select the desired **Priority Camera**(the camera stream which will feature OSD of the plate data in VIGIL).



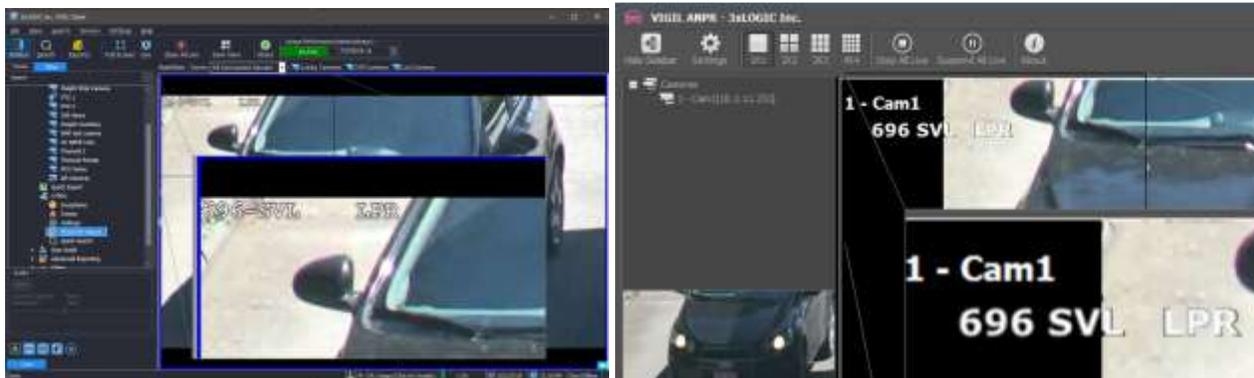
**Figure 2-6:** Configuring VIGIL POS OSD to Display ANPR Data - Configuring OSD Settings in VIGIL Server



**Example:** If the ANPR camera being used to record plate data is Camera 1 in VIGIL Server, set the *Connection Number* and *Register Number* fields to 1. The *Priority Camera*(the camera on which the OSD data will be visible) can be any relevant camera of your choosing.

### 2.2.3 Viewing ANPR Data OSD

Enable OSD on the *Priority Camera* you selected in the previous section in either VIGIL Client or VIGIL Server to begin the on-screen display of ANPR data (pictured below-left).



**Figure 2-6:** Configuring VIGIL POS OSD to Display ANPR Data – ANPR OSD in VIGIL Client (left) and ANPR Utility (right)

OSD data will also be visible in the VIGIL ANPR's *Live Viewer* (pictured above-right.).

When using VIGIL Client, OSD text settings can be configured by clicking the *OSD* button (located at the bottom of the left sidebar) and adjusting column positioning, selecting visible headers and configuring text/font options to best suit your application of the ANPR Utility.

## 3 Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLOGIC Support:

Email: [helpdesk@3xlogic.com](mailto:helpdesk@3xlogic.com)

Online: [www.3xlogic.com](http://www.3xlogic.com)